

## EAST Search History

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|---|------------------|---------|------------------|
| L1    | 19469  | ((reciprocal reciprocity) and (receive transmit) with signal)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/01 14:12 |
| L2    | 362    | ((reciprocal reciprocity) and (receive transmit) with (signal near3 strength)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/01 10:29 |
| L3    | 235    | (deduce deduction) and (I1 I2 )  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/01 14:19 |
| L4    | 854    | I1 and ((position location) near3 (estimation determination))                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/01 14:17 |
| L5    | 113774 | "455".clas.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/01 14:18 |
| L6    | 110926 | "370".clas.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/01 14:18 |
| L7    | 39750  | "342".clas.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/01 14:18 |
| L8    | 262    | I4 and (I5 I6 I7)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/01 14:18 |
| L9    | 26     | (deduce deducing deduction infer guess) and (I8 )                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/01 14:19 |
| S1    | 48     | signal adj strength adj differential   | US-PGPUB;<br>USPAT                          | OR               | ON      | 2006/10/15 21:54 |
| S2    | 481    | location adj estimation  | US-PGPUB;<br>USPAT                          | OR               | ON      | 2006/10/15 21:54 |
| S3    | 9444   | pattern adj matching   | US-PGPUB;<br>USPAT                          | OR               | ON      | 2005/07/22 10:15 |
| S4    | 29     | S2 and S3  | US-PGPUB;<br>USPAT                          | OR               | ON      | 2005/07/22 10:26 |
| S5    | 447589 | magnitude  | US-PGPUB;<br>USPAT                          | OR               | ON      | 2005/07/22 10:26 |

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|     |     |  |                              |    |     |                  |
|-----|-----|--|------------------------------|----|-----|------------------|
| S6  | 5   | S5 and S4  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/22 11:20 |
| S7  | 1   | ("6249252").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2005/07/22 11:21 |
| S8  | 4   | ((("4818998") or ("4908629") or<br>("4891650") or ("5295180"))).PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2005/07/27 14:23 |
| S9  | 1   | ("20050014511").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2005/07/25 14:45 |
| S10 | 1   | ("5293642").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2005/07/26 10:59 |
| S11 | 0   | ("9230109").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2005/07/26 10:59 |
| S12 | 83  | "6236365"  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/26 11:04 |
| S13 | 1   | ("6236365").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2005/07/26 12:16 |
| S14 | 0   | ("absolutenear7(signaladjstrength")<br>).PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/07/26 12:17 |
| S15 | 0   | absolute near7 (signaladjstrength)   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/26 12:17 |
| S16 | 396 | absolute near7 (signal adj strength)   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/26 12:21 |
| S17 | 0   | ((two adj dimension\$3) near2<br>probability) near7 (signal adj<br>strength)   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/26 12:20 |
| S18 | 0   | ((two adj dimension\$3) near7<br>probability) near7 (signal adj<br>strength)   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/26 12:20 |
| S19 | 0   | ((two adj dimension\$3) same<br>probability) near7 (signal adj<br>strength)  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/26 12:20 |
| S20 | 0   | ((two adj dimension\$3) and<br>probability) near7 (signal adj<br>strength)   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/26 12:20 |
| S21 | 481 | location adj estimation  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/26 12:21 |
| S22 | 14  | S16 and S21  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/26 12:21 |
| S23 | 55  | ("3886554"   "4481670"  <br>"4597105"   "4670906"   "4718081"<br>  "4728959"   "4736453"  <br>"4799062"   "5128925"  <br>"5191342").PN. OR ("5390339").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/07/27 13:38 |

## EAST Search History

|     |         |   |                              |    |     |                  |
|-----|---------|---|------------------------------|----|-----|------------------|
| S24 | 5589    | absolute adj magnitude                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/07/27 15:33 |
| S25 | 9455    | pattern adj matching                      | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 13:38 |
| S26 | 72      | S24 and S25                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/07/27 13:38 |
| S27 | 150019  | "455"                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/07/27 13:42 |
| S28 | 273     | S24 and S27                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/07/27 13:42 |
| S29 | 481     | location adj estimation                   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 14:15 |
| S30 | 3       | S29 and S24                               | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 14:15 |
| S31 | 0       | ("(absoluteadjvalue)near5difference").PN. | US-PGPUB;<br>USPAT           | OR | OFF | 2005/07/27 14:24 |
| S32 | 16719   | (absolute adj value)near5 difference      | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 15:34 |
| S33 | 0       | l1l and S29                               | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 14:25 |
| S34 | 0       | l1l and S25                               | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 14:25 |
| S35 | 292697  | absolute                                  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 14:25 |
| S36 | 202     | S35 and S29                               | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 14:26 |
| S37 | 1218417 | S35 near S29 difference                   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 14:27 |
| S38 | 26622   | S35 near7 difference                      | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 14:27 |
| S39 | 27      | S36 and S38                               | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 15:05 |
| S40 | 48      | signal adj strength adj differential      | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 15:05 |
| S41 | 1       | S40 and S39                               | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 15:05 |
| S42 | 33969   | signal adj strength                       | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 15:05 |
| S43 | 9       | S39 and S42                               | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/27 15:29 |

## EAST Search History

|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| S44 | 641    | (mobile or wireless or portable or radio or cellular or handheld or (hand adj held)) near7 ((location or position) adj2 estimat\$3) | US-PGPUB;<br>USPAT                          | OR | ON | 2005/07/27 15:33 |
| S45 | 11     | S32 and S44   | US-PGPUB;<br>USPAT                          | OR | ON | 2005/07/27 15:34 |
| S46 | 379447 | ((location position) near7 (estimation estimate estimating determine determining determination))                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/15 21:56 |
| S47 | 11125  | (signal adj strength) and S46   | US-PGPUB;<br>USPAT                          | OR | ON | 2006/10/15 22:04 |
| S48 | 9357   | (( transmit transmitting transmitted) and (received receiving receive sent send sending)) and S47                                   | US-PGPUB;<br>USPAT                          | OR | ON | 2006/10/15 22:02 |
| S49 | 5983   | (deduce deduced deducing derive infer deriving determine determining inferring) near7 ((signal adj strength) rssi)                  | US-PGPUB;<br>USPAT                          | OR | ON | 2006/10/15 22:02 |
| S50 | 6669   | (deduce deduced deducing derive infer deriving determine determining inferring) near7 ((signal adj strength) rssi)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/15 22:09 |
| S51 | 2002   | S50 and S48   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/15 22:03 |
| S52 | 694135 | (second near7 signal)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/15 22:03 |
| S53 | 1104   | S52 and S51   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/15 22:03 |
| S54 | 10998  | (signal adj strength) same (measurement measuring measure)  | US-PGPUB;<br>USPAT                          | OR | ON | 2006/10/15 22:05 |
| S55 | 12467  | (signal adj strength) same (measurement measuring measure)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/15 22:05 |
| S56 | 1123   | S55 and S51   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/15 22:07 |

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|     |        |  |   |    |     |                  |
|-----|--------|--|---|----|-----|------------------|
| S57 | 904    | (@rlad<"20030719" or @ad<"20030719") and S56   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/10/15 22:06 |
| S58 | 109    | (deduce deduced deducing inferring) near7 ((signal adj strength) rssi)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/10/15 22:09 |
| S59 | 74     | S58 and S56  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/10/16 09:23 |
| S60 | 1      | ("6658258").PN.  | US-PGPUB;<br>USPAT                          | OR | OFF | 2006/10/16 09:24 |
| S61 | 18     | ("5327144"   "5390339"   "5602903"   "5969679"   "6061337"   "6114991"   "6157842"   "6198935"   "6275186"   "6295455"   "6477379"   "6490456"   "6522887"   "6539229").PN. OR ("6658258").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON  | 2006/10/17 10:13 |
| S62 | 1792   | ((deduce deduction) near7 signal)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 15:04 |
| S63 | 27     | ((deduce deduction) near7 (signal near3 strength))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 15:09 |
| S64 | 329    | ((deduce deduction) near7 (signal near7 (transmitted received receiving receive transmit transmitting receiving)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 15:14 |
| S65 | 1023   | ((deduce deduction) same (signal near7 (transmitted received receiving receive transmit transmitting receiving)))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 15:14 |
| S66 | 688    | (transmitter receiver BASESTATION (BASE ADJ STATION) (access adj point) radio)and S65  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 15:18 |
| S67 | 450    | (BASESTATION (BASE ADJ STATION) (access adj point) radio)and S65   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 15:21 |
| S68 | 101825 | S65 and reciprocal reciprocity reciprocate   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 21:37 |

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|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S69 | 34   | S65 and (reciprocal reciprocity reciprocate)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 15:28 |
| S70 | 274  | ((deduce deducing deduction deduced) and (reciprocal reciprocity reciprocate))same signal   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 16:35 |
| S71 | 1    | ("6131016").PN.   | US-PGPUB;<br>USPAT                          | OR | OFF | 2007/04/01 15:36 |
| S72 | 4060 | ((location position) near7 (estimate estimated estimation estimating determine determining determined determination)) and ((reciprocal reciprocity reciprocate)same signal) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 15:50 |
| S73 | 274  | (deduce deducing deduction deduced) and S70   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 15:52 |
| S74 | 228  | (deduce deducing deduction deduced) and S72   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 19:10 |
| S75 | 113  | tdd with (reciprocal reciprocate reciprocating)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 16:11 |
| S76 | 111  | S75 and signal  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 16:11 |
| S77 | 1    | (reciprocal reciprocate reciprocating)same (attenuate attenuation attenuating) same (deduce deduction deducing deduced)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 16:12 |
| S78 | 64   | (reciprocal reciprocate reciprocating) and ((deduce deduction deducing deduced)with (uplink downlink forward reverse transmit receive))                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 17:36 |
| S79 | 4450 | (reciprocal reciprocate reciprocating) and (deduce deduction deducing deduced)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 18:32 |

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|     |        |  |   |    |     |                  |
|-----|--------|--|---|----|-----|------------------|
| S80 | 1798   | ((deduce deducing deduction deduced) (reciprocal reciprocity reciprocate)) with ((uplink and downlink)(forward and reverse)(transmit and receive)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 19:12 |
| S81 | 826069 | interference (path adj loss) (attenuation attenuating attenuated)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 17:11 |
| S82 | 713    | S80 and S81  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 17:13 |
| S83 | 174    | (signal near3 strength)and S82   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 17:14 |
| S84 | 17     | (deduce deducing deduction deduced) and S83  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 17:33 |
| S85 | 4203   | ((deduce deduction deducing deduced)with (uplink downlink forward reverse transmit receive))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 17:36 |
| S86 | 150    | ((deduce deducing deduction deduced)) with ((uplink and downlink)(forward and reverse)(transmit and receive))                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 19:28 |
| S87 | 1      | ("6108565").PN.  | US-PGPUB;<br>USPAT                          | OR | OFF | 2007/04/01 17:51 |
| S88 | 114    | ((deduce deducing deduction deduced)) with ((signal adj strength))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 18:21 |
| S89 | 104    | ((deduce deducing deduction deduced)) with ((first and second)near3 signal)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 18:28 |
| S90 | 52     | ((deduce deducing deduction deduced)) near10 ((first and second)near3 signal)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 18:28 |
| S91 | 1962   | ((assume infer)) with ((uplink and downlink)(forward and reverse)(transmit and receive))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/04/01 18:31 |

## EAST Search History

|      |         |  |   |    |    |                  |
|------|---------|--|---|----|----|------------------|
| S92  | 1140    | ((assume infer)) near10 ((uplink and downlink)(forward and reverse)(transmit and receive))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 18:31 |
| S93  | 101     | (reciprocal reciprocate reciprocating) and S92   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 18:32 |
| S94  | 1003    | ((deduce deducing deduction deduced) with (transmitted transmitting transmit) and (receive receiving))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 18:37 |
| S95  | 1071    | ((deduce deducing deduction deduced) with (transmitted transmitting transmit) and (receive received receiving))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 18:37 |
| S96  | 2       | (deduce deducing deduction deduced) and S75  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 19:10 |
| S97  | 4       | ((deduce deducing deduction deduced) and (reciprocal reciprocity reciprocate)) with ((uplink and downlink)(forward and reverse)(transmit and receive))       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 19:15 |
| S98  | 9       | ((deduce deducing deduction deduced) and (reciprocal reciprocity reciprocate)) same ((uplink and downlink)(forward and reverse)(transmit and receive))       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 19:20 |
| S99  | 14      | ("5483676"   "5515378"   "5551068"   "5602831"   "5771017"   "5884187"   "5893033"   "5894598"   "6091788"   "6134220"   "6289005").PN. OR ("6697640").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2007/04/01 19:20 |
| S100 | 1       | ((deduce deducing deduction deduced) (reciprocal reciprocity reciprocate)) and S99   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 19:20 |
| S101 | 401     | (deduce deducing deduction deduced) with ((uplink and downlink)(forward and reverse)((transmit transmitted) and (receive received)))                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 19:29 |
| S102 | 1762474 | ((estimate estimating estimation) near5 location)and ( ACCESS ADJ POINT)and signal strength  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:36 |



## EAST Search History

|          |        |   |   |    |    |                  |
|----------|--------|---|---|----|----|------------------|
| S10<br>3 | 306    | ((estimate estimating estimation)<br>near5 location)and ( ACCESS ADJ<br>POINT)and (signal adj strength)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:40 |
| S10<br>4 | 101805 | S103 and reciprocal reciprocity<br>reciprocate  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:37 |
| S10<br>5 | 8      | S103 and (reciprocal reciprocity<br>reciprocate)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:38 |
| S10<br>6 | 41     | S103 and (deduce deduced<br>deduction deducing)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:38 |
| S10<br>7 | 202    | ((estimate estimating estimation)<br>adj2 location)and ( ACCESS ADJ<br>POINT)and (signal adj strength)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:45 |
| S10<br>8 | 0      | ((estimate estimating estimation)<br>adj2 location)and ( ACCESS ADJ<br>POINT)and (signal adj strength)and<br>(link adj estimation)              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:45 |
| S10<br>9 | 1      | ((estimate estimating estimation)<br>adj2 location)and ( ACCESS ADJ<br>POINT)and (signal adj strength)and<br>(link near2 (estimation estimate)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:47 |
| S11<br>0 | 1      | ((estimate estimating estimation)<br>adj2 location)and ( ACCESS ADJ<br>POINT)and (link near2 (estimation<br>estimate))                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:46 |
| S11<br>1 | 6      | ((estimate estimating estimation)<br>adj2 location)and (signal adj<br>strength)and (link near2 (estimation<br>estimate))                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:50 |
| S11<br>2 | 40     | ((estimate estimating estimation)<br>adj2 location)and (link near2<br>(estimation estimate))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:52 |
| S11<br>3 | 30     | ((estimate estimating estimation)<br>adj2 location)and (link adj2<br>(estimation estimate))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:53 |
| S11<br>4 | 20677  | ((estimate estimating estimation)<br>near2 location) (transmit near10<br>receive) near10 power  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:55 |

## EAST Search History

|          |        |  |   |    |    |                  |
|----------|--------|--|---|----|----|------------------|
| S11<br>5 | 20677  | ((estimate estimating estimation)<br>near2 location) ((transmit near10<br>receive) near10 power)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:57 |
| S11<br>6 | 11126  | ((estimate estimating estimation)<br>near2 location) ((transmit near3<br>receive) near3 power)           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:55 |
| S11<br>7 | 7327   | ((estimate estimating estimation)<br>near2 location) ((transmit near3<br>receive) near3 power)with based | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:56 |
| S11<br>8 | 2866   | 455/456.1.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:56 |
| S11<br>9 | 478    | S117 and S118  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:56 |
| S12<br>0 | 12     | ((estimate estimating estimation)<br>near2 location)same ((transmit<br>near10 receive) near10 power)     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 21:59 |
| S12<br>1 | 198    | ((estimate estimating estimation)<br>near2 location)and ((transmit<br>near10 receive) near10 power)      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 22:05 |
| S12<br>2 | 35     | ((improved improving improve)<br>near5 (link channel signal)near5 (<br>quality estimation)) and S118     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 22:11 |
| S12<br>3 | 270175 | (location position) near2<br>(estimation estimate estimating<br>determination determine<br>determining)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 22:11 |
| S12<br>4 | 965    | ((improved improving improve)<br>near5 (link channel signal)near5 (<br>quality estimation)) and S123     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/04/01 22:12 |
| S12<br>5 | 1771   | (deduc\$5 and signal).clm.   | US-PGPUB;<br>USPAT                          | OR | ON | 2007/09/30 22:39 |
| S12<br>6 | 83     | (deduc\$5 with transmit\$3 with<br>signal).clm.  | US-PGPUB;<br>USPAT                          | OR | ON | 2007/09/30 23:08 |
| S12<br>7 | 997    | (deduc\$5 near5 (transmit\$3<br>receive))  | US-PGPUB;<br>USPAT                          | OR | ON | 2007/09/30 23:09 |

## EAST Search History

|          |      |   |                                 |    |     |                  |
|----------|------|---|---------------------------------|----|-----|------------------|
| S12<br>8 | 1062 | (deduc\$5 near5 (transmit\$3<br>receive))             | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/09/30 23:09 |
| S12<br>9 | 229  | (deduc\$5 near5 (transmit\$3<br>receive)) with signal | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/09/30 23:29 |
| S13<br>0 | 1    | ("7116987").PN.                                       | US-PGPUB;<br>USPAT              | OR | OFF | 2007/10/01 10:27 |
| S13<br>1 | 1    | ("6,584,450").PN.                                     | US-PGPUB;<br>USPAT              | OR | OFF | 2007/09/30 23:36 |